Portland Harbor Food Web Model Internal Parameters not set at Arnot and Goba

These are the 21 internal FWM parameters LWG calibrated from Monte Carlo runs
None of these parameters have Portland Harbor site specific information available
A concern of several reviewers was why were model defaults being changed in the
The table below lists the FWM parameter, its default Arnot and Gobas model value
Current FWM values are from a spreadsheet sent to Burt Shephard by Elizabeth Al
Most of the current FWM values are on the '**inputs**' tab of the 11/4/2014 spreadsh

No.	**Model parameter**	**AQUAWEB v1.2 default**
	General biological parameters	
1	Resistance to chemical uptake through aqueous phase for phytoplankton (UA)	0.00006
2	Resistance to chemical uptake through organic phase for phytoplankton (UB)	5.5
3	NLOM*-octanol proportionality constant (Beta)	0.035
	Species specific biological parameters	
	Zooplankton	
4	Dietary absorption efficiency of lipid	0.75
5	Dietary absorption efficiency of NLOM	0.75
	Benthic invertebrate filter feeder (clams)	
6	Dietary absorption efficiency of lipid	0.75
7	Dietary absorption efficiency of NLOM	0.75
	Benthic invertebrate consumers	
8	Dietary absorption efficiency of lipid	0.75
9	Dietary absorption efficiency of NLOM	0.75
	Epibenthic invertebrate consumers (crayfish)	
10	Dietary absorption efficiency of lipid	0.75
11	Dietary absorption efficiency of NLOM	0.75
	Sculpin	
12	Dietary absorption efficiency of lipid	0.92
13	Dietary absorption efficiency of NLOM	0.60
	Largescale sucker	
14	Dietary absorption efficiency of lipid	0.92
15	Dietary absorption efficiency of NLOM	0.60
	Carp	
16	Dietary absorption efficiency of lipid	0.92
17	Dietary absorption efficiency of NLOM	0.60
	Smallmouth bass	
18	Dietary absorption efficiency of lipid	0.92
19	Dietary absorption efficiency of NLOM	0.60
	Northern pikeminnow	
20	Dietary absorption efficiency of lipid	0.92
21	Dietary absorption efficiency of NLOM	0.60

* NLOM = non-lipid organic matter (e.g. proteins, nucleic acids)

ıs (2004) default values

ˌ instead of using Gobas defaults
ˌ for them
ˌ absence of site- or species-specific information
ˌe from AQUAWEB v1.2, and the current FWM values
ˌlen on 11/4/2014
ˌheet from Elizabeth Allen. Must unhide some rows to find all of the current FWM values

Current Portland Harbor FWM value	Units	Comment
0.00006	Unitless	
5.5	Unitless	
0.035	L/kg	
0.72	Proportion	Parameter called alpha or default lipid absorp
0.72	Proportion	Parameter called beta or default NLOC/NLOM
0.75	Proportion	Parameter called alpha or default lipid absorp
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0.75	Proportion	Parameter called beta or default NLOC/NLOM
0.92	Proportion	Parameter called alpha or default lipid absorp
0.60	Proportion	Parameter called beta or default NLOC/NLOM
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0.92	Proportion	Parameter called alpha or default lipid absorp
0.60	Proportion	Parameter called beta or default NLOC/NLOM
0.92	Proportion	Smallmouth bass is only fish species default A
0.60	Proportion	Smallmouth bass is only fish species default A
0.92	Proportion	Parameter called alpha or default lipid absorp
0.60	Proportion	Parameter called beta or default NLOC/NLOM

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ed beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas

(i.e. 90%)
s model (i.e. 60%)